Issued Summer, 1988

University of Massachusetts at Boston Bulletin

Continuing Education

Fall, 1988

Your public university offers credit and non-credit courses at convenient times and locations for your personal growth, professional development, and college degree requirements.

University of Massachusetts at Boston
Division of Continuing Education
Harbor Campus
Boston, MA 02125-3393

Second Class
Postage is
PAID
Boston, MA
02109

Evening classes at these off-campus locations: Beverly, Bourne, Braintree, Downtown Boston, Franklin, Hanover, Hingham, Watertown, and West Roxbury.

Saturday classes at UMass/Boston's Harbor Campus and Downtown Center.

For more information, call 929-7900.

How to Use this Bulletin

This Bulletin describes the credit courses and the special programs offered by UMass/Boston's Division of Continuing Education. These courses are offered during the evening at a number of off-campus sites, and—primarily on Saturday mornings—at the University's Downtown Center and Harbor Campus. Schedule information for each credit course appears in the course description section that begins on page 4, and also in the listing of courses by location that begins on page 7. The academic calendar and registration procedures outlined on pages 2 and 3 apply only to Continuing Education credit courses. *The academic calendar and registration procedures for the Division's special programs are described in the section called "Special Programs" beginning on page 10.*

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Continuing Education Courses: Academic Calendar, On-site Registration

Registration Deadline	September 6
Late Registration*	September 7–9
Classes Begin	Week of September 12
Add/Drop Deadline	September 24
Holidays	October 10 November 11 November 23–27
Midsemester	October 24
Pass/Fail Deadline	November 4
Withdrawal Deadline	November 4
Classes End	Week of December 5
Final Exams	Week of December 12
Spring 1989 Registration Deadline	January 27
Spring 1989 Classes Begin	Week of February 6
Spring 1989 Classes End	Week of May 15
Spring 1989 Final Exams	Week of May 22

*$25 late fee. *On-site* late registration can occur only on those dates and at those times when classes are scheduled. Late registration—for courses offered at any site—will also take place at the Division of Continuing Education office on the Harbor Campus. (See "Late Registration", page 3.)

The deadline for mail and telephone registration, at all sites, and for walk-in registration (at the Division of Continuing Education office on the Harbor Campus only) is September 6. If any on-site registration session is cancelled due to weather conditions, it will be held on the same day and at the same time the following week. Locations of courses and on-site registration dates are as follows:

UMass/Boston Downtown Center
Arlington & Stuart Streets
(Park Square) Boston
August 27
10:00am–12:00noon

North Shore Regional Vocational High School
20 Balch Street, Beverly
September 1
6:00–8:00pm

Upper Cape Cod Vocational Technical High School
220 Sandwich Road, Bourne
(Register during first class meeting.)

Braintree High School
128 Town Road, Braintree
September 1
6:00–8:00pm

Multidisciplinary Institute of Neuropsychological Development (MIND)
48 Garden St, Cambridge
(No walk-in registration. Advance registration only, by mail or telephone, at the Continuing Education Office on the Harbor Campus)

Blue Hills Regional Vocational Technical School
100 Randolph Street, Canton
(Register during first class meeting.)

South Shore Regional Vocational Technical High School
Webster Street, Hanover
September 6
6:00–8:00pm

Hingham High School
41 Pleasant Street, Hingham
September 6
4:00–7:00pm

Lowell High School
50 French Street Extension, Lowell
(Register during first class meeting.)

Watertown High School
51 Columbia Street, Watertown
September 6
6:00–8:00pm

West Roxbury High School
1205 V.F.W. Parkway, West Roxbury
September 6
6:00–8:00pm

Please note: For your convenience, you may register at any site for courses offered either there or at any of the other locations listed above.

For directions to any off-campus site, please call the Division of Continuing Education at 929-7900.

Registration Form for Continuing Education Credit Courses

Please be sure to provide the numbers requested below. They are needed for coding purposes.

Social Security # _____ UMass/Boston ID # (if any) _____

Name _____
Last First Middle Initial

Address _____
No Street City State Zip

Student Status
O Undergraduate O Graduate _____ Bachelor's Degree Received From

Current UMass/Boston student?
O Special O Matriculated _____ Major

Studying in UMass/Boston's RN Program?
O Special O Matriculated

Student at other college or university?
O Yes O No If Yes, where? _____

Sex
O Male O Female

Date of Birth _____
Mo Day Year

Residency Status
O In State O Out of State O Foreign

Veteran Status
O Veteran O Non-veteran

Student Visa
O Yes O No

Daytime Phone: ( ) _____

Evening Phone: ( ) _____

Ethnic Survey Information (Required by Federal Government)

A. American Indian/Alaskan Native
B. Black Non-Hispanic
C. Asian or Pacific Islander
D. Hispanic
E. Non-resident Alien
F. White Non-Hispanic
G. Do not wish to report
H. Cape Verdean

Course Selections

Sched No	Dept	Title	Site	Credits		Lab Fee (if any)	Total Course & Lab Fee
					× $65.00	+	=
					× $65.00	+	=
					× $65.00	+	=
					× $65.00	+	=

MasterCard and VISA Only

The University of Massachusetts at Boston, Division of Continuing Education, will accept MasterCard or VISA for payment of fees. If you would like to make use of this service, please provide the information requested

Account No _____

Expiration Date _____

Student's Name (Print) _____

Student's Signature _____

Print name of person to whom card was issued if different from above

If a student withdraws or a course is cancelled, the refund will be made only as a credit to the student's MasterCard or VISA account.

Full payment must accompany all registrations.

Method of Payment

O VISA O MasterCard
O Check O Other

Make checks payable to University of Massachusetts—Continuing Education

Send checks and forms to:
Division of Continuing Education
Box C
University of Massachusetts at Boston
Harbor Campus
Boston, MA 02125-3393

For Office Use
Rec'd Date:
Batch: Bank No:

Course Fee

Undergraduate	$65.00/credit
Graduate	$80.00/credit

Please Note:

This form is to be used only when registering for Continuing Education *credit* courses, offered evenings off-campus and Saturdays at the University's Downtown Center. For non-credit, special programs, please use the special program registration form. For information about registering for Extended Day (on-campus evening) courses, see page 3

Please calculate payment below.

Course and Lab Fees (total)	
Total Service Fees	$15.00
Subtotal	
Late Fee (if applicable)	$25.00
Total Payment Enclosed	

When you use this form to register by mail, your cancelled checks will be your receipt.

Opportunities for Adult Learners

As greater Boston's only public university, the University of Massachusetts at Boston is committed to providing opportunities for all persons seeking access to quality higher education in the area it serves. The University has undertaken a special commitment to those adults beyond traditional "college age" who have daytime obligations and responsibilities at work and at home.

This commitment is demonstrated by the evening off-campus, Saturday morning, and summer course offerings of the Division of Continuing Education, and by the University's Extended Day schedule of late afternoon and evening courses offered at the Harbor Campus. Many courses are open both to degree-seeking (matriculated) students and to non-degree-seeking students. UMass/Boston students are free to combine day, evening, off-campus, Saturday, and summer classes to suit their individual needs.

Continuing Education Courses

Introductory and intermediate-level courses in many disciplines are offered by the Division of Continuing Education on weekday evenings and Saturday mornings. These courses are particularly suited to the needs of the adult who may wish to begin or return to a previously interrupted college educational experience. The Division also schedules courses specifically for nurses and for vocational educators.

Special Programs

The Division of Continuing Education also conducts many non-credit special programs—courses, workshops, seminars—both on and off campus, in order to serve various business and professional groups, individuals seeking instruction in specialized fields, and those who simply wish to explore new areas of interest. Many programs are the result of the Division's cooperation with groups and institutions in the larger community. The Division can also assist professional groups in organizing and conducting conferences, workshops, and seminars; and welcomes proposals or suggestions for additional activities it might sponsor. Finally, through a special program in cooperation with the University of Rhode Island's Graduate School of Library and Information Studies, the Division of Continuing Education offers, for credit, courses in Boston that meet requirements for the University of Rhode Island's master's degree in Library and Information Studies. Information about all these special programs can be found on pages 10–12 of this publication.

Summer Courses

Each summer, the Division of Continuing Education offers hundreds of day and evening courses at the University's Harbor Campus and Downtown Center. Summer session courses provide an opportunity for degree-seeking students to accelerate their progress, and for both degree-seeking and non-degree-seeking students to take courses that are unavailable to them or do not fit their schedules during the regular academic year.

Extended Day Courses

Through the Extended Day Program, a wide variety of undergraduate and graduate courses is offered from 4:00 to 10:00pm at the University's Harbor Campus. These courses are particularly suited to the needs of persons who are seeking UMass/Boston degrees. A number of undergraduate majors and graduate programs can be completed by students taking courses entirely within the Extended Day schedule. However, many students also enroll for professional advancement or personal enrichment, or simply to experience University life before applying for admission.

How to Learn More

Continuing Education Courses

For further information about evening off-campus, Saturday, or summer courses offered through the Division of Continuing Education; and for information about all non-credit (special program) offerings, please call Mary Lang-Crumlin in the Division of Continuing Education at 929-7900. Ms Crumlin is available for advising during the day or evening, by appointment, at the Division of Continuing Education's Harbor Campus Office (Wheatley Hall, 2nd floor, room 203.) Please call 929-7900.

Extended Day Courses

For further information about late afternoon and evening courses at the Harbor Campus, or about degree programs which can be completed entirely through evening study, please call the Office of New Student Services at 929-8600.

Admission to the University

For further information about admission requirements for older students, or for general information about admissions, call UMass/Boston's Admissions Office at 929-8000.

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The University of Massachusetts at Boston is an affirmative action/equal opportunity employer and prohibits discrimination in all its policies and programs, on the basis of race, color, sex, age, religion, national origin, sexual orientation or preference, handicap condition, or veteran status. All inquiries regarding Title IX of the Educational Amendments of 1972 and/or Section 504 of the Rehabilitation Act of 1973 may be directed to the Director of Affirmative Action, University of Massachusetts at Boston, Harbor Campus, Boston, MA, 02125 (617 929-7075). Inquiries regarding the application of the non-discrimination policy may also be directed to the Coordinator or the Assistant Secretary for Civil Rights, US Department of Education.

The University of Massachusetts at Boston is accredited by the New England Association of Schools and Colleges. The University of Massachusetts at Boston is a member of the North American Association of Summer Sessions and the National University Continuing Education Association.

Registering for Continuing Education Courses

Who May Enroll

UMass/Boston undergraduate credit courses are open to: 1) students who may be considering matriculation into a degree program at UMass/Boston or elsewhere; 2) students matriculated at other institutions who will use UMass/Boston credits to meet degree requirements at their home institutions; and 3) matriculated UMass/Boston students. Anyone who has graduated from high school or who has earned a high school equivalency certificate is invited to begin or continue taking courses at UMass/Boston. Please see the regulations on page 10 governing newly adopted academic retention standards for degree-seeking and non-degree-seeking students.

The University assumes that students registering for undergraduate courses will accurately assess their ability to do college work. Students should be aware, however, that they are responsible for meeting prerequisites for certain courses.

If a student's ultimate goal is to obtain a UMass/Boston degree, it is to the student's advantage to apply for formal admission (matriculation) as early as possible. Most part-time students matriculate after having completed their first two or three courses; when they do matriculate, they can choose to attend full-time or to remain part-time. Matriculated students are assured that their degree requirements will not be affected by subsequent changes in the University's curriculum; consequently they find it easier to plan schedules including courses that meet their individual requirements. Matriculated students may also change from one degree program to another, and may proceed toward the degree at their own pace. *All UMass/Boston courses offered for credit, during the fall, the spring, or the summer semester, whether on or off campus, day or evening, are equivalent in content and method of instruction.*

Registration by Mail or Telephone

Registration in advance by mail or telephone is the preferred method of enrolling in Continuing Education courses. The Division of Continuing Education must cancel classes which do not generate sufficient income to pay faculty salaries and overhead expenses. Early registrations enable the Division to determine whether sufficient interest exists to keep an underenrolled course open past the registration deadline.

To register by mail, fill out the form on the opposite page. Full payment must accompany the registration form. (See "Fees and Further Information," page 9)

To register by telephone, you must charge fees to a MasterCard or VISA account. Please call 929-7933.

Walk-In Registration

Students who would rather register in person may do so on the dates and at the times listed on the opposite page. Full payment by check or credit card is due at the time of registration. Cash payments can be accepted only at the Bursar's Office on the Harbor Campus.

To avoid paying a $25.00 late fee, you must register, by mail, by telephone, or in person, before September 6.

Late Registration

Late registration for Continuing Education courses being offered at all sites will take place September 7–9 at the Continuing Education Office on UMass/Boston's Harbor Campus (Wheatley Hall, 2nd floor, room 203) from 9:00am to 7:00pm Wednesday and Thursday, and from 9:00am to 4:30pm Friday. At locations other than the Harbor Campus, late registration can also take place during the first class meeting.

Mathematics Diagnostic Test

Students registering for any mathematics course must first take a diagnostic test to assure proper placement. The diagnostic test can be taken from 10:00am to 4:00pm, Monday through Friday, at the Continuing Education office on the University's Harbor Campus. Please make an appointment by calling 929-7900. The test may also be taken at any location during the on-site registration period designated in the on-site registration schedule on the opposite page.

The Career Enhancement Certificate Program

The Program

The Division of Continuing Education's Career Enhancement Certificate (CEC) is for those seeking to increase their effectiveness on the job and further develop their career opportunities. In addition, students whose specific educational goals are not yet decided may find that the courses in the CEC sequence provide for them a solid foundation on which to build a future academic or professional program of study. The CEC helps enable participants to broaden their perceptions of the complexities of organizational life, to recognize the interdependence of economic and social decisions, and to sharpen their communication skills. Practical applications at the workplace receive special attention. The designation "(CEC)" at the end of a particular course description in this bulletin indicates that the course is part of the sequence leading to the Career Enhancement Certificate.

Eligibility

The CEC program is open to all individuals with a high school diploma or its equivalent who have completed English 101, who have qualified for Math D110 by taking UMass/Boston's Math Diagnostic Test, and who are currently non-matriculated students at the University of Massachusetts at Boston.

Requirements

The CEC consists of a minimum of twenty-seven credit hours of required courses. Students with previous college credits that include one or more of the CEC's required courses may substitute up to four courses from a group of acceptable electives. In all cases, students are expected to complete twenty-seven hours of required or elective courses, in order to receive the certificate.

Admission

Students wishing to participate in the CEC program should apply for admission during the semester in which they first begin to take CEC-related courses. Credit may also be allowed for up to four CEC-related courses taken prior to application. Applications and more information about the Career Enhancement Certificate program can be obtained by calling the Division of Continuing Education at 929-7900. Advisors are also available at specified times during the fall and spring semesters at Braintree and West Roxbury High Schools.

Instructional Sites

Most CEC courses are scheduled on a rotating basis at the Division of Continuing Education's Braintree and West Roxbury off-campus sites. Some, but not all, courses in the sequence are also available at other off-campus sites; and students may take some CEC courses in the fall, spring, and summer terms during the day or evening at the Harbor Campus.

Courses Leading to the Certificate

Prerequisite: Engl 101
The suggested sequence for CEC courses is:

MGT 130	Introduction to Business
Math D110	Basic Algebra
Econ E101	Introduction to Economics I
Engl 102	Freshman English II
AF 210	Financial Accounting
Engl 106	Oral Communication
AF 211	Managerial Accounting
Engl E215	Intermediate Composition
MS 110	Introduction to Computers in Management*

Electives:
A student who has already completed one or more of the courses listed above may select up to four other courses as substitutes, *to be chosen in consultation with an advisor from the Division of Continuing Education.*

*Available only during the Harbor Campus summer sessions.

Continuing Education Courses: Descriptions, Times, Places

A Note About Course Schedules

Each of the following course descriptions is accompanied by information about the location(s) and time(s) at which the course will be offered, as well as the number of credits to be earned in the course and the course's schedule number. Schedule information about Continuing Education courses is also organized according to course locations (see pages 7-8).

A Note About Course Designations

Please note that courses whose numbers are preceded by "C," "D," and "E"—for example, AmSt C206—belong to the Core Curriculum of the University's College of Arts and Sciences (CAS). Although these courses are open to non-degree-seeking students, the courses meet specific requirements for degree-seeking students. To be sure that they take core courses meeting their own particular degree requirements, all CAS degree-seeking students should, before registering, pick up advising materials concerning the Core Curriculum (including the CAS writing proficiency requirement) from the CAS Office of Academic Support and Advising (McCormack Hall, 3rd Floor, Room 625; telephone 929-8220). The designation "(CEC)" at the end of a particular course description in this bulletin indicates that the course is part of the sequence leading to the Career Enhancement Certificate; the designation "(N)" indicates a course that is required, or recommended as an elective, for students in the College of Nursing. These courses are also open to other students.

A Note About Room Locations for Courses at the Harbor Campus

Information about room locations for Saturday courses at the Harbor Campus will be available the first day of classes at the Information Desk in the lobby of the McCormack Building.

Accounting and Finance

AF 210
Financial Accounting
Presents the theory and techniques of financial accounting. The course encompasses the basic functions of collecting, processing, and reporting accounting information for interested third parties (e.g., owners, investors, and government), and enables students to analyze, interpret, and use accounting information effectively. (CEC)

Braintree: M 6:30-9:00pm, 3 Credits, Sched No 339459
West Roxbury: Th 6:30-9:00pm, 3 Credits, Sched No 339506
Harbor Campus: S 11:30am-2:00pm, 3 Credits, Sched No 339556

Related Special Program

The Auditor's Institute
The Auditor's Institute offers non-credit courses for managers of human service programs and government agencies. Please see page 12 for further information.

American Studies

AmSt 205
The Fifties
This course considers the culture of the 1950s, including writers like Kerouac, Ellison, Hemingway, and Miller, and phenomena such as the Cold War, McCarthyism, and the "other-directedness" that supposedly dominated the period. The work of social scientists like Riesman and Galbraith will be considered, as well as that of novelists and playwrights.
Core Area: Historical and Cultural Studies

West Roxbury: Tu 6:30-9:00pm, 3 Credits, Sched No 339954
Downtown Boston: S 11:30am-2:00pm, 3 Credits, Sched No 340002

AmSt C206
The Sixties
The course focuses on protest and on the role of youth. Who protested and why? Was the phenomenon of the sixties an aberration or part of a larger radical tradition in America? What was the impact on the seventies? Readings are drawn from participants in the student, black, feminist, and peace protest movements, from the intellectuals who defended and attacked them, and from the growing body of retrospective, analytic, and historical literature which attempts to explain what really happened in that tumultuous decade. Films are shown when appropriate.
Core Area: Historical and Cultural Studies

Braintree: M 6:30-9:00pm, 3 Credits, Sched No 339750

Art

Art C100
The Language of Art
This course teaches students to begin to understand the processes of artistic creation. It enables the student to grasp the expressive content of works of art in a wide variety of media and to analyze how the artist creates his/her effect. It is not an historical survey. Through lectures, discussions, field trips, and museum visits, participants study paintings, sculptures, and buildings; examples are chosen as often as possible from the Boston area. The course addresses such concepts as rhythm, pacing, elements of stability versus change, and the possibilities of differing interpretations of subject matter through formal variations. It offers a solid introduction to the arts by developing the student's ability to see, and to analyze, forms as the result of aesthetic and interpretive decisions.
Core Area: The Arts.

Harbor Campus: S 11:30am-2:00pm, 3 Credits, Sched No 340206

Biology

Biol D101
The Basis of Life
The uniqueness of life within the physical universe. The matter and energy of life, the genetic code, molecular biology, and the origin and evolution of life. An overview for students in the humanities and social sciences of those features which distinguish living organisms from non-living things. No background in the natural sciences is required.
Core Area: Natural Sciences.

Harbor Campus: S 8:30-11:00am, 3 Credits, Sched No 340400

Biol D111
General Biology I
An integrated course stressing the principles of biology. Life processes are examined primarily at the molecular and cellular levels. Intended for students majoring in biology or for non-majors who wish to take advanced biology courses. (N)
Core Area: Natural Sciences

West Roxbury: MW 6:00-9:00pm, 4 Credits, Lab fee: $20.00, Sched No 340905

Biol 108
Introduction to Nutrition
Introduction to the elements of nutrition with emphasis on nutrition for humans, examination of foodstuffs and nutritional quality, physiology of food utilization, food quality regulations, and the global ecology of food production. No background in the natural sciences is required. (N)

Braintree: W 6:30-9:00pm, 3 Credits, Sched No 340604
Downtown Boston: S 8:30-11:00am, 3 Credits, Sched No 340654

Chemistry

Chem D107
Introduction to Chemistry I
A survey of the theoretical principles of general inorganic chemistry. Topics include atomic and molecular structure, bonding, chemical reactions, solution, pH, stoichiometry, and radiochemistry. (N)
Core Area: Natural Sciences

West Roxbury: TuTh 6:00-9:00pm, 4 Credits, Lab fee: $25.00, Sched No 341105

Economics

Econ E101
Introductory Economics I
A broad introductory survey in which special attention is given to the role of economic principles in analyzing and understanding current economic problems. Emphasis is placed on the functioning of markets and on examining the behavior of individual economic units such as the business firm and the consumer (microeconomics). Other areas of emphasis vary from section to section and may include industrial organization, income distribution, international trade, economics of the environment and other topics. (May be taken after Econ E102.) (CEC)
Core Area: Social and Behavioral Sciences
Prerequisite: Math D110 or equivalent.

Hingham: Tu 6:30-9:00pm, 3 Credits, Sched No 341309
Downtown Center: M 6:00-8:30pm, 3 Credits, Sched No 341359
Harbor Campus: S 8:30-11:00am, 3 Credits, Sched No 341106

Econ E102
Introductory Economics II
A broad introductory survey in which special attention is given to the role of economic principles in analyzing and understanding current economic problems. Emphasis is placed on examining the overall functioning of the economy and on dealing with such matters as unemployment, inflation, and recession. Other areas of emphasis vary from section to section and may include economics of government spending and taxation, economic development, alternative economic systems, and other topics. (May be taken before Econ E101.)
Core Area: Social and Behavioral Sciences
Prerequisite: Math D110 or equivalent.

Braintree: M 6:30-9:00pm, 3 Credits, Sched No 341650

English

Engl 101
Freshman English I
Small class instruction and practice in grammar, rhetoric, and the articulation of logical thought. Practice in writing for college courses on various kinds of topics, many from experience and observation, chosen to develop the student's confidence and ability. Readings and materials vary from section to section, but all sections require a minimum of eight 600-word papers. (N)
Note: This course satisfies the first half of the College of Arts and Sciences writing requirement.

Hingham: MW 6:30-7:45pm, 3 Credits, Sched No 342054
West Roxbury: MW 6:30-7:45pm, 3 Credits, Sched No 342151
Downtown Boston: S 11:30am-2:00pm, 3 Credits, Sched No 342101

Engl 102
Freshman English II
Continuation of Engl 101, with emphasis on topics and writing assignments of the kinds encountered in many types of college courses. Readings and materials vary from section to section, but all sections require a minimum of seven papers, including a longer research paper. (CEC) (N)
Note: This course satisfies the second half of the College of Arts and Sciences writing requirement.
Prerequisite: Engl 101

Braintree: TuTh 6:30-7:45pm, 3 Credits, Sched No 342402
West Roxbury: TuTh 6:30-7:45pm, 3 Credits, Sched No 342509
Downtown Boston: S 8:30-11:00am, 3 Credits, Sched No 342452

Engl 106
Oral Communication
This course focuses on improvement of interpersonal, small group, and public communication skills. Through readings, journals, class discussions, and other activities, we explore the following: self-concept and perception, listening and responding, language and non-verbal behaviors, interviewing, problem-solving and decision-making, formal elements of speech-making, and the evaluation of one's own and others' public messages.

Hingham: W 6:30-9:00pm, 3 Credits, Sched No 342753
West Roxbury: M 6:30-9:00pm, 3 Credits, Sched No 342800
Downtown Center: S 11:30am-2:00pm, 3 Credits, Sched No 342850

Engl C210
Introduction to Creative Writing
An introduction to the arts through the medium of writing as well as reading poetry, fiction, and drama. Student writing will be submitted weekly and discussed in class.
Prerequisite: Completion of the freshman writing requirement.
Core Area: The Arts

Harbor Campus: S 11:30am-2:00pm, 3 Credits, Sched No 341854

Geography and Earth Science

GES D227
Marine Resources
Major emphasis on the commercial invertebrates and vertebrates (mainly fish), their distribution and commercial value, and the various methods of commercial fishing. The course also examines the role of minerals, energy, and transportation as marine resources.
Prerequisite: Sophomore standing or permission of instructor.
Core Area: Natural Sciences.

Hingham: Tu 6:30-9:00pm, 3 Credits, Sched No 343050

History

Hist E265
American History I
This course introduces students at the intermediate level to the study of American history before 1877. The subject matter encompasses virtually all aspects of American society, and the interrelationship among social structure, economic development, everyday life, culture, and formal politics is explored throughout the course. Special attention is given to the nature of historical inquiry.
Prerequisite: Sophomore standing or permission of instructor.
Core Area: Historical and Cultural Studies.

Hingham: M 6:30-9:00pm, 3 Credits, Sched No 343254

Special Program in Library and Information Studies

By arrangement with the Graduate School of Library and Information Studies of the University of Rhode Island, UMass/Boston's Division of Continuing Education offers, each semester, courses meeting requirements for a University of Rhode Island Master's degree in Library and Information Studies. Please see page 10 for further information.

Management

MGT 130
Introduction to Business
Familiarizes students with the nature of business and its relationship to other institutions in society. The course examines business ownership, organization, management, marketing, human resources management, production, and finance. In addition, the course explores issues in the relationships between capitalism and business, the law and business, and government and business. (CEC)

Hingham: W 6:30-9:00pm, 3 Credits, Sched No 344006

Mathematics

To insure proper placement in mathematics and computer science courses, the University requires students to take a diagnostic test prior to course enrollment. The test may be taken during on-site registration as set forth in the off-campus registration schedule on page 2. The test can also be taken anytime between 10:00am and 4:00pm, Monday through Friday, at the Continuing Education office on the University's Harbor Campus. Please make an appointment by calling 929-7900.

Math D110
Basic Algebra
For students with a weak math background who want to develop skills for further math or science courses. Covers basic high school math. Topics include multiplying and factoring polynomials, linear equations and straight lines, fractional exponents and radicals, ratios of polynomials, quadratics, and word problems. Generally limited to students with less than 3 years of high school math preparation. (CEC)
Note: No student will receive graduation credits for Math D110 if it is taken after successful completion of Math D124 or D130 or a higher math course.
Prerequisite: Math Diagnostic Test only.
Core Area: Mathematics and Computer Languages

Braintree: Tu 6:20-9:10pm, 3 Credits, Sched No 343458
West Roxbury: M 6:20-9:10pm, 3 Credits, Sched No 343505
Harbor Campus: S 8:30-11:15am, 3 Credits, Sched No 343555

Math D125
Introductory Statistics
For non-science and non-mathematics majors only. Topics include introductory statistics, covering descriptive statistics; introductory probability sufficient to enable development of inferential statistics; and inferential statistics.
Note: No student will receive graduation credits for Math D125 if it is taken after successful completion of Math 345 or 645.
Not open to mathematics majors.
Prerequisite: Math Diagnostic Test or Math D110
Core Area: Mathematics and Computer Languages

West Roxbury: W 6:20-9:10pm, 3 Credits, Sched No 343759
Harbor Campus: S 8:30-11:15am, 3 Credits, Sched No 343806

Related Special Program

Microcomputer Workshops
Please see page 12 for descriptions of special non-credit workshops for new users of microcomputers and for experienced computer programmers who need training in SAS and SPSS.

Nursing

A selection of required courses and recommended electives for UMass/Boston's Bachelor of Science program in nursing is available through the off-campus and Saturday program. The designation "(N)" at the end of course descriptions in this bulletin indicates courses in this category. While such courses are open to all who meet the prerequisites, formal admission to the School of Nursing must be sought by all those whose ultimate goal is to obtain a BS degree in nursing. Please call Myron Segelman at the School of Nursing at 929-8500 for further information.

Nurs 201
Pathophysiology
This course deals with alterations in the normal physiology of body structures. Discussion of normal state is followed by the description of physiological changes resulting in the symptoms of disease. Topics include various body systems, such as the cardiovascular, renal, respiratory, and endocrine. (N)
Prerequisites: Biol D111, 207.
Corequisite: Biol 208

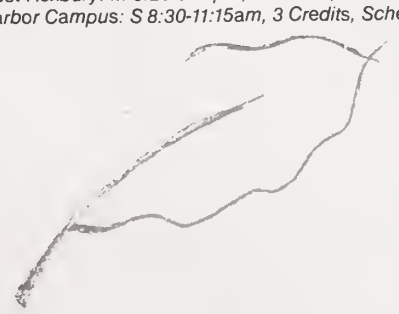
West Roxbury: Th 6:30-9:00pm, 3 Credits, Sched No 344959

Nurs 314
Pharmacology
The course deals with the action of drugs on the body, especially as related to the physiology of disease, and to basic concepts of pharmacology: absorption, distribution, metabolism, excretion, routes of administration, and drug safety. Special emphasis is given to the mechanism of action of particular drugs, to side effects, and to drug interactions. Specific drugs are classified and studied according to their function and according to the system they affect, with particular attention paid to those drugs not commonly used in clinical settings. (N)

Braintree: Tu 6:30-9:00pm, 3 Credits, Sched No 345159

Related Special Program

Emergency Service Training
The non-credit "Emergency Medical Technician—Basic" course combines lecture and in-hospital experience to train persons wishing to fulfill state requirements for entrance to the state EMT certification examination. Please see page 12 for further information.



Occupational Education

OccEd 201
Fundamentals of Occupational Education
This course is designed to provide provisionally approved vocational education teachers with a knowledge of the historical and philosophical foundations of vocational education, information about federal and state laws pertaining to vocational education, and the skills necessary to conduct occupational analysis, carry on a VICA program, and obtain assistance from local support groups and advisory committees. It is the first of six courses required by the Massachusetts Department of Education for full approval of vocational education teachers.

Beverly: M 5:00-7:30pm, 3 Credits, Sched No 348602
Bourne: Tu 5:00-7:30pm, 3 Credits, Sched No 348759
Franklin: W 5:00-7:30pm, 3 Credits, Sched No 348806
Hanover: M 5:00-7:30pm, 3 Credits, Sched No 348709
Watertown: Tu 5:00-7:30pm, 3 Credits, Sched No 348652

OccEd 202
Management of the Vocational Education Environment
This course is designed to train provisionally approved vocational educators in the theory and practice of effective classroom/laboratory management in a vocational setting. Instructional organization, shop organization, safety, first aid, and student management receive special emphasis. This is one of the six courses required by the Massachusetts Department of Education for full approval of vocational education teachers.
Prerequisite: OccEd 201

Beverly: M 7:30-10:00pm, 3 Credits, Sched No 349006
Bourne: Tu 7:30-10:00pm, 3 Credits, Sched No 349153
Franklin: W 7:30-10:00pm, 3 Credits, Sched No 349200
Hanover: M 7:30-10:00pm, 3 Credits, Sched No 349103
Watertown: Tu 7:30-10:00pm, 3 Credits, Sched No 349056

OccEd 203
Teaching Methods in Vocational Education I
This is the first of a two-course sequence dealing with the methods of teaching vocational education. Participants in these courses develop competencies in four major areas of teaching: 1) contemporary theories and principles of learning; 2) instructional preparation; 3) teaching methods and techniques; 4) evaluating student growth and effectiveness. This is one of the six courses required by the Massachusetts Department of Education for full approval of vocational education teachers.

Beverly: Tu 5:00-7:30pm, 3 Credits, Sched No 349404
Hanover: Tu 5:00-7:30pm, 3 Credits, Sched No 349501
Watertown: M 5:00-7:30pm, 3 Credits, Sched No 349454

OccEd 205
Curriculum Development in Occupational Education
This course is designed to help the student develop and implement competency-based vocational education materials and procedures, including a program task list and a program advisory committee. This is one of the six courses required by the Massachusetts Department of Education for full approval of vocational education teachers.

Beverly: W 5:00-7:30pm, 3 Credits, Sched No 349755
Hanover: Tu 7:30-10:00pm, 3 Credits, Sched No 349852
Watertown: M 7:30-10:00pm, 3 Credits, Sched No 349802

OccEd 206
Supervised Internship
The supervised internship allows students to demonstrate theoretical and methodological knowledge in classroom and laboratory settings. The student demonstrates his or her teaching skills under the guidance of a master teacher and is monitored by his or her college instructor. The course is open only to students who have satisfactorily completed OccEd 201-205. This is one of the six courses required by the Massachusetts Department of Education for full approval of vocational education teachers.
Note: The fee for this three-credit course is $250.00.

Beverly: Th 5:00-7:30pm, 3 Credits, Sched No 350154
Hanover: Th 5:00-7:30pm, 3 Credits, Sched No 350251
Watertown: Th 5:00-7:30pm, 3 Credits, Sched No 350201

IndArts 210
Seminar in Industrial Arts
This course is an overview of status and trends in industrial arts education in the United States and abroad. Special emphasis is placed on the impact of electronics innovations on industry. In addition, the course considers organizational, managerial, and socio-cultural aspects of industrial production.

Lowell: M 5:00-7:30pm, 3 Credits, Sched No 343319

IndArts 230
Electronics I
Introduction to basic AC DC circuit theory. Topics include resistors, parallel series combinations, voltage generation and sources, Ohm's Law, equivalent circuits, electromagnetic principles, measuring techniques and instruments, inductors, capacitors, R-C time constants, average and RMS values of sine waves, AC circuit analysis, and resonance circuits. The course also includes laboratory experiments to reinforce theoretical concepts, and some electronic circuit assembly.
Prerequisite: IndArts 210

Canton: W 5:00-7:30pm, 3 Credits, Sched No 343335

Philosophy

Phil E100
Introduction to Philosophy
An introductory examination of the problems and scope of philosophy.
Core Area: Philosophical and Humanistic Studies

Harbor Campus: S 8:30-11:00am, 3 Credits, Sched No 345604

Phil C108
Moral and Social Problems
Important moral and social issues of current concern are examined and debated. The course covers several problems each semester from a list including capital punishment, war, abortion, racism, violence, the death penalty, private property, and sexism. (N)
Core Area: Philosophical and Humanistic Studies

West Roxbury: Th 6:30-9:00pm, 3 Credits, Sched No 345400

Political Science

PolSci E122
Government and Politics of the United States
The three main branches of the national government, federalism, political parties, interest groups, and governmental functions.
Core Area: Social and Behavioral Sciences.

Harbor Campus: S 11:30am-2:00pm, 3 Credits, Sched No 345808

Psychology

Psych E101
Introduction to Psychology
A general survey of selected content areas in psychology, including personality and human development, physiological psychology, learning, intelligence, heredity and environment, and motivation and emotion. (N)
Core Area: Social and Behavioral Sciences

Braintree: Th 6:30-9:00pm, 3 Credits, Sched No 346074
Downtown Boston: S 8:30-11:00am, 3 Credits, Sched No 346082

Psych E200
Personality
Conceptions of human nature are examined in light of various theories of personality. This course focuses on the theories of Freud, Adler, Sullivan, Erikson, Kelly, ego psychologists, and other theorists presenting the behavioristic and humanistic perspectives. Among the topics to be addressed are personality structure and its development; stress and coping; neurotic styles; human motives and their measurement. (N)
Prerequisite: Psych E101
Core Area: Social and Behavioral Sciences

Downtown Boston: W 6:00-8:30pm, 3 Credits, Sched No 346252

Psych E241
Infancy and Childhood Development
This course explores human development from infancy to middle childhood, i.e., from childbirth to ages seven or eight. Major emphasis is placed on early perceptual, cognitive, social, and affective development, bearing the following questions in mind: How does the world of space and objects appear to the infant? How does he or she acquire knowledge and discover reality? How does the child experience the world of people and develop a sense of self? How does the child develop attachments to others and what role is played by the significant people in his or her life? (N)
Prerequisite: Psych E101
Core Area: Social and Behavioral Sciences

Hingham: Tu 6:30-9:00pm, 3 Credits, Sched No 346456
West Roxbury: M 6:30-9:00pm, 3 Credit, Sched No 346503

Psych E242
Adolescence
This course is designed to acquaint students with psychological characteristics of adolescent development, theoretical approaches to adolescence, and experimental studies of the causes of a variety of behaviors during adolescence. The course will also focus upon major problems and characteristics of adolescents in modern society. (N)
Prerequisite: Psych E101
Core Area: Social and Behavioral Sciences

Braintree: W 6:30-9:00pm, 3 Credits, Sched No 346707
Harbor Campus: S 8:30-11:00am, 3 Credits, Sched No 346757

School Psychology

SchPsy 697a
Introduction to Neuropsychology for Clinicians and Educators
This course considers brain and nervous system functions in relation to sensing, perceiving, knowing, remembering, and expressing through language and other forms of communication. Case studies that exemplify human brain behavior and relationships, both normal and pathological, are studied and reviewed. Clinical, psychological, and neuropsychological approaches to identification, diagnosis, treatment, and habilitative retraining are discussed with a view to placement and educational/occupational planning.
Prerequisite: Bachelor's degree, or permission of instructor.

Cambridge: Tu 6:30-9:00pm, 3 Graduate Credits, Sched No 348068

Sociology

Sociol C140
Life Cycle
This course focuses on youth, adulthood, and old age; it examines the way in which, during different stages in life, different kinds of relationships grow and decline in importance. It considers the meaning of work at various stages and, in general, how individuals and groups cope with change.
Core Area: Social and Behavioral Sciences

West Roxbury: W 6:30-9:00pm, 3 Credits, Sched No 346951

Sociol E281
Society and the Individual
Basic survey of the social environment of individuals.
Core Area: Social and Behavioral Sciences

Hingham: M 6:30-9:00pm, 3 Credits, Sched No 347151

Sociol 342
Aging and Society
An examination of theories and research on aging and society. The course is organized into two sections. The first explores the general relationship of the aging process and the aged to social, economic, and political systems in a youth-oriented and work-oriented society. The second draws upon cross-national and cross-cultural material.
Prerequisite: Sociol E101

Braintree: Th 6:30-9:00pm, 3 Credits, Sched No 347355

Sociol 362
Juvenile Delinquency
The nature and extent of delinquency. Consideration of theories, delinquent subculture, and programs for control and prevention.
Prerequisite: Sociol E101

Harbor Campus: S 11:30am-2:00pm, 3 Credits, Sched No 347559

Related Special Program

Alcoholism/Chemical Dependency Treatment Services
The Alcoholism/Chemical Dependency Treatment Services Program is a non-credit professional development sequence of courses designed for those working or interested in working in the field of alcoholism/chemical dependency treatment.

Register early!
Early registration helps assure that the course you want will be available when you need it. Why not mail or telephone your course selection now?

Continuing Education Courses: Descriptions, Times, Places Continued

Spanish

Span D105
Basic Spanish for Communication I
A practical approach to the study of the Spanish language: basic grammar in the context of the material presented, which focuses on the vocabulary used in such areas as business and finance, medical and hospital terminology, and oral communication in general. Intensive practice in the four language skills with an audio-lingual approach.
Core Area: Foreign Languages

West Roxbury: Tu 6:30-9:00pm, 3 Credits, Sched No 347753

Span D106
Basic Spanish for Communication II
A continuation of Span D105.

Braintree: W 6:30-9:00pm, 3 Credits, Sched No 347957

Women's Studies

WoSt C150
Women, Culture, and Identity
An introductory level course examining the origins of present attitudes about women, the situation of women in patriarchal cultures, and efforts by women to achieve a self-defined female identity. Drawing on materials from myth, religion, philosophy, anthropology, feminist analysis, literature, and autobiography, the course investigates cultural beliefs about woman's "nature" and role at different times and places, as well as attempts to explain the origins and persistence of women's subordination, and women's efforts to define a new identity through political and creative activity.
Core Area: Philosophical and Humanistic Studies

Hingham: W 6:30-9:00pm, 3 Credits, Sched No 348204

WoSt 180a
Women and Addiction
This course examines various theories of addiction and explores their adequacy for explaining women's troubled relationships with substances such as alcohol, drugs, or food. The course also examines women's problems with "addicted" family and friends.

Downtown Center: Sept 17-Oct 8, S 11:30am-2:00pm, 1 Credit, Sched No 348220

WoSt 180b
New Reproductive Technologies
This course examines the implications of new reproductive and fertility technologies and practices, from in vitro fertilization to surrogacy, with respect to women's lives and to their social status, in the U.S. and other societies.

Downtown Center: Oct 15-Nov 5, S 11:30am-2:00pm, 1 Credit, Sched No 348246

WoSt 180c
Weight and Eating Issues for Women
Why do so many girls and women want to be thinner? What are the social and psychological consequences of pursuing thinness, and of being fat? This course explores social, psychological, and medical theories about women's concerns with their weight and with food and dieting.

Downtown Center: Nov 12-Dec 17, S 11:30am-2:00pm, 1 Credit, Sched No 348262

Schedule of Off-Campus and Saturday Courses by Location

Please note: any on-site registration session cancelled due to bad weather will be rescheduled exactly one week later.

Please note: For your convenience, you may register at any site for courses offered either there of at any of the other locations listed below.

Dept.Code, No. Title	Day(s), Time Credits, Lab Fee Schedule Number

North Shore Regional Vocational High School
20 Balch Street
Beverly, MA

On-site registration: September 1, 6:00-8:00pm

OccEd 201 Fundamentals of Occupational Education	M 5:00-7:30pm 3 Credits 348602
OccEd 202 Management of the Vocational Education Environment	M 7:30-10:00pm 3 Credits 349006
OccEd 203 Teaching Methods in Vocational Education	Tu 5:00-7:30pm 3 Credits 349404
OccEd 205 Curriculum Development in Occupational Education	W 5:00-7:30pm 3 Credits 349755
OccEd 206 Supervised Internship Note: Course fee is $250.00	Th 5:00-7:30pm 3 Credits 350154

Upper Cape Cod Regional Vocational High School
220 Sandwich Road
Bourne, MA

On-site registration: Register at first class meeting.

OccEd 201 Fundamentals of Occupational Education	Tu 5:00-7:30pm 3 Credits 348759
OccEd 202 Management of the Vocational Education Environment	Tu 7:30-10:00pm 3 Credits 349153

Braintree High School
128 Town Road
Braintree, MA

On-site registration: September 1, 6:00-8:00pm

AF 210 Financial Accounting	M 6:30-9:00pm 3 Credits 339459
AmSt C206 The Sixties	M 6:30-9:00pm 3 Credits 339750
Biol 108 Introduction to Nutrition	W 6:30-9:00pm 3 Credits 340604
Econ E102 Introductory Economics II	M 6:30-9:00pm 3 Credits 341650
Engl 102 Freshman English II	TuTh 6:30-7:45pm 3 Credits 342402
Math D110* Basic Algebra	Tu 6:20-9:10pm 3 Credits 343458
Nurs 314 Pharmacology	Tu 6:30-9:00pm 3 Credits 345159
Psych E101 Introduction to Psychology	Th 6:30-9:00pm 3 Credits 346074
Psych E242 Adolescence	W 6:30-9:00pm 3 Credits 346707
Sociol 342 Aging and Society	Th 6:30-9:00pm 3 Credits 347355
Span D106 Basic Spanish for Communication II	W 6:30-9:00pm 3 Credits 347957

Multidisciplinary Institute of Neuropsychological Development
48 Garden Street,
Cambridge, MA

No on-site registration: Please register in advance by mail or phone only, using UMass/Boston address or phone number.

SchPsy 697a Introduction to Neuropsychology for Clinicians and Educators	Tu 6:30-9:00pm 3 Graduate Credits 348068

Blue Hills Regional Vocational Technical High School
100 Randolph Street
Canton, MA

On-site registration: Register at first class meeting.

IndArt 230 Electronics I	W 5:00-7:30pm 3 Credits 343335

Tri-County Regional Vocational Technical High School
147 Pond Street
Franklin, MA

On-site registration: Register at first class meeting.

OccEd 201 Fundamentals of Occupational Education	W 5:00-7:30pm 3 Credits 348806
OccEd 202 Management of the Vocational Education Environment	W 7:30-10:00pm 3 Credits 349200

South Shore Regional Vocational High School
Webster Street
Hanover, MA

On-site registration: September 6, 6:00-8:00pm

OccEd 201 Fundamentals of Occupational Education	M 5:00-7:30pm 3 Credits 348709
OccEd 202 Management of the Vocational Education Environment	M 7:30-10:00pm 3 Credits 349103
OccEd 203 Teaching Methods in Vocational Education I	Tu 5:00-7:30pm 3 Credits 349501
OccEd 205 Curriculum Development in Occupational Education	Tu 7:30-10:00pm 3 Credits 349852
OccEd 206 Supervised Internship Note: Course fee is $250.00	Th 5:00-7:30pm 3 Credits 350251

***Math Diagnosis**
It is greatly to the advantage of the student to be placed in the proper course. Students are advised to consult course descriptions for prerequisites and equivalents before registering for math courses. To ensure placement in the right course, each student must take a Math Diagnostic Test before being admitted to a course that requires this test, as indicated in the course description. This step prevents the loss of time in switching courses or in obtaining refunds after classes have begun. Please call 929-7900 for further information.

Hingham High School
41 Pleasant Street
Hingham, MA

On-site registration: September 6, 4:00-7:00pm

Econ E101 **Introductory Economics I**	Tu 6:30-9:00pm 3 Credits 341309
Engl 101 **Freshman English I**	MW 6:30-7:45pm 3 Credits 342054
Engl 106 **Oral Communication**	W 6:30-9:00pm 3 Credits 342753
GES D227 **Marine Resources**	Tu 6:30-9:00pm 3 Credits 343050
Hist E265 **American History I**	M 6:30-9:00pm 3 Credits 343254
MGT 130 **Introduction to Business**	W 6:30-9:00pm 3 Credits 344006
Psych E241 **Infancy and Childhood Development**	Tu 6:30-9:00pm 3 Credits 346456
Sociol E281 **Society and the Individual**	M 6:30-9:00pm 3 Credits 347151
WoSt C150 **Women, Culture, and Identity**	W 6:30-9:00pm 3 Credits 348204

Lowell High School
30 Kirk Street
Lowell, MA

On-site registration: Register at first class meeting.

IndArt 210 **Seminar in Industrial Arts**	M 5:00-7:30pm 3 Credits 343319

Watertown High School
51 Columbia Street
Watertown, MA

On-site registration: September 6. 6:00-8:00pm

OccEd 201 **Fundamentals of Occupational Education**	Tu 5:00-7:30pm 3 Credits 348652
OccEd 202 **Management of the Vocational Education Environment**	Tu 7:30-10:00pm 3 Credits 349056
OccEd 203 **Teaching Methods in Vocational Education I**	M 5:00-7:30pm 3 Credits 349454
OccEd 205 **Curriculum Development in Occupational Education**	M 7:30-10:00pm 3 Credits 349802
OccEd 206 **Supervised Internship** Note: Course fee is $250.00	Th 5:00-7:30pm 3 Credits 350201

West Roxbury High School
1205 VFW Parkway
West Roxbury, MA

On-site registration: September 6, 6:00-8:00pm

AF 210 **Financial Accounting**	Th 6:30-9:00pm 3 Credits 339506
AmSt C205 **The Fifties**	Tu 6:30-9:00pm 3 Credits 339954
Biol D111 **General Biology I** Lab fee: $20.00	MW 6:00-9:00pm 4 Credits 340905
Chem D107 **Introduction to Chemistry I** Lab fee: $25.00	TuTh 6:00-9:00pm 4 Credits 341105
Engl 101 **Freshman English I**	MW 6:30-7:45pm 3 Credits 342151
Engl 102 **Freshman English II**	TuTh 6:30-7:45pm 3 Credits 342509
Engl 106 **Oral Communication**	M 6:30-9:00pm 3 Credits 342800
Math D110* **Basic Algebra**	M 6:20-9:10pm 3 Credits 343505
Math D125* **Introductory Statistics**	W 6:20-9:10pm 3 Credits 343759
Nurs 201 **Pathophysiology**	Th 6:30-9:00pm 3 Credits 344959
Phil C108 **Moral and Social Problems**	Th 6:30-9:00pm 3 Credits 345400
Psych E241 **Infancy and Childhood Development**	M 6:30-9:00pm 3 Credits 346503
Sociol C140 **Life Cycle**	W 6:30-9:00pm 3 Credits 346951
Span D105 **Basic Spanish for Communication I**	Tu 6:30-9:00pm 3 Credits 347753

UMass/Boston Downtown Center
Arlington and Stuart Streets
(Park Square)
Boston, MA

On-site registration: August 27. 10:00am-12:00noon

AmSt C205 **The Fifties**	S 11:30am-2:00pm 3 Credits 340002
Biol 108 **Introduction to Nutrition**	S 8:30-11:00am 3 Credits 340654
Econ E101 **Introductory Economics I**	M 6:00-8:30pm 3 Credits 341406
Engl 101 **Freshman English I**	S 11:30am-2:00pm 3 Credits 342101
Engl 102 **Freshman English II**	S 8:30-11:00am 3 Credits 342452
Psych E101 **Introduction to Psychology**	S 8:30-11:00am 3 Credits 346082
Psych E200 **Personality**	W 6:00-8:30pm 3 Credits 346252
WoSt 180a **Women and Addiction**	S 11:30am-2:00pm (Sep 17-Oct 8) 1 Credit 348220
WoSt 180b **New Reproductive Technologies**	S 11:30am-2:00pm (Oct 15-Nov 5) 1 Credit 348246
WoSt 180c **Weight and Eating Issues for Women**	S 11:30am-2:00pm (Nov 12-Dec 17) 1 Credit 348262

UMass/Boston Harbor Campus
Boston, MA

On-site registration: August 12-September 6, M-Th 9:00am-7:00pm; F 9:00am-4:00pm; Division of Continuing Education Office, Wheatley Hall, 2nd Floor, Room 203

AF 210 **Financial Accounting**	S 11:30am-2:00pm 3 Credits 339556
Art C100 **The Language of Art**	S 11;30am-2:00pm 3 Credits 340206
Biol D101 **The Basis of Life**	S 8:30-11:00am 3 Credits 340400
Econ E101 **Introductory Economics I**	S 8:30-11:00am 3 Credits 341406
Engl C210 **Introduction to Creative Writing**	S 11:30am-2:00pm 3 Credits 341854
Math D110* **Basic Algebra**	S 8:30-11:15am 3 Credits 343555
Math D125* **Introductory Statistics**	S 8:30-11:15am 3 Credits 343806
Phil E100 **Introduction to Philosophy**	S 8:30-11:00am 3 Credits 345604
PolSci E122 **Government and Politics of the United States**	S 11:30am-2:00pm 3 Credits 345808
Psych E242 **Adolescence**	S 8:30-11:00am 3 Credits 346757
Sociol 362 **Juvenile Delinquency**	S 11:30am-2:00pm 3 Credits 347559

***Math Diagnosis**

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Fees and Further Information: Continuing Education Courses

Course and Service Fees

Undergraduate Course Fee	$65.00 per credit
Graduate Course Fee	$80.00 per credit
Registration Fee	10.00
Educational Service Fee	5.00
Late Registration Fee (when applicable)	25.00
Bad Check Fee (when applicable)	25.00

Payment of Course and Service Fees

Students must pay in full before their registrations will be accepted. No payment will be accepted after the Add/Drop deadline of the session for which payment is intended. Students may use the following methods to make payments:

Check:
Please make checks payable to "The University of Massachusetts at Boston—Continuing Education." A payment of course and service fees made with an unacceptable check will result in administrative withdrawal, an additional bad check fee of $25.00, and referral to a collection agency, which may result in liability for the payment of a collection fee.

MasterCard or VISA:
The University of Massachusetts at Boston will accept payment by Master Card or VISA for all course and service fees. The minimum acceptable Master Card or VISA payment is $25.00. Please fill out the appropriate section of the registration form when registering by mail.

Cash:
Cash payments can be made ONLY at the Bursar's Office at the Harbor Campus (Administration Building, 2nd Floor; M-F 9:00am-3:30pm.) The Bursar's Office will give you a receipt, which you must submit with your registration form. Note: Cash payments will not be accepted at any other location.

Payment by Outside Agencies:
If a student's charges are to be paid by an outside agency, his or her registration must be accompanied by a payment authorization form from that agency, unless one is already on file in the Bursar's Office. Students are reminded that they are liable for all course and service fees in the event that the sponsoring agency does not provide payment.

Course Fee Waiver and Remission Policy

The Division of Continuing Education will honor course fee waivers and remission of course fees for those persons meeting the eligibility requirements described below, providing the courses they wish to take are adequately supported by fees from paying students, and providing space is available in these courses. Credit course fee waivers and remission of credit course fees apply only at the standard rate of $65.00 per undergraduate credit and $80.00 per graduate credit. Thus, in the case of a credit course with extraordinary costs necessitating a higher than standard course fee, course fee waivers and remission will be granted for only the amount of the standard course fee. Registration fees, service fees, and other mandatory fees, except in the case of senior citizens, must be paid in full. Anyone wishing to apply for course fee waivers or remissions must do so when registering for courses: the policy is not retroactive. See the academic calendar for appropriate registration times. Vietnam-era veterans are eligible for course fee waivers under the following conditions:

1) They must be matriculated in a program leading to a degree or certificate.
2) They must have not used their course fee waiver for more than 130 credits.
3) If they did not enter the service while residing in the Commonwealth of Massachusetts, they must file an affidavit under oath attesting to their having resided in the Commonwealth for two consecutive years immediately preceding enrollment.
4) They must have their registration form approved by UMass/Boston's Veterans Affairs Office.

Senior citizens are eligible for a waiver of all fees upon submission of a notarized Senior Citizen Affidavit at the time of registration.

Most full-time state employees are eligible for a 50% course fee remission upon submission of a properly completed "Certificate of Eligibility" at the time of registration (part-time state employees are eligible for a 25% course fee remission). State employees wishing to determine if they are eligible for a tuition remission should contact their personnel office.

Full-time employees of public higher education, their spouses, and their dependent children are eligible for a 50% course fee remission upon submission of a properly completed "Certificate of Eligibility" at the time of registration (part-time employees of public higher education, their spouses, and their dependent children are eligible for a 25% course fee remission). The Division cannot honor waivers issued to cooperating practitioners by the state-funded programs of the University of Massachusetts at Amherst, Boston, or Worcester.

Refunds

A student who withdraws from a course will be granted a refund according to the schedule below. Non-attendance does not constitute withdrawal. Students withdrawing from either credit or non-credit courses must file a valid withdrawal form with the Continuing Education Office.

For courses scheduled for ten or more class meetings:

Withdrawal before the first class meeting	100% Refund
Withdrawal before the second class meeting	90% Refund
Withdrawal before the third class meeting	50% Refund
Withdrawal after the third class meeting	No Refund

For courses scheduled for 6-9 class meetings:

Withdrawal before the first class meeting	100% Refund
Withdrawal before the second class meeting	80% Refund
Withdrawal after the second class meeting	No Refund

For courses scheduled for 1-5 class meetings:

Withdrawal before the first class meeting	100% Refund
Withdrawal after the first class meeting	No Refund

Whenever a refund is due, either because the student wishing the refund has withdrawn from a course or because the University has cancelled the course, the student must initiate the refund procedure by notifying the Continuing Education Office. Refunds will not be processed until after the Add/Drop period.

The amounts of all refunds are computed on the basis of withdrawal dates established by the Office of Registration and Records.

If a student has made a payment with Master Card or VISA, the refund must be returned as a credit to the student's Master Card or VISA account.

Unless a course has been cancelled by the University, the $10 registration fee is not refundable.

Please allow six to eight weeks for the processing of any refund.

Cancellations of Underenrolled Courses

The Division of Continuing Education is supported by student course fees. No state funding is available to help the Division of Continuing Education pay faculty salaries and meet overhead expenses. The Division must therefore cancel underenrolled courses. Before classes begin each term—generally during the week after the regular registration deadline—the Division projects enrollments according to the numbers of students already registered and decides whether to cancel courses that may be underenrolled. The Division makes every effort to offer courses in which there is a clear interest and, whenever courses are approaching minimum enrollment, postpones cancellation decisions until the first meeting of those courses. However, students are encouraged to register early. There is no risk of cancellation when courses are fully enrolled by the end of the regular registration period.

Any student who has registered for a course that is cancelled may register for another course or request a refund. The course fee will be refunded in full to any student who has paid for a cancelled course and does not wish to register for another course in its place. If all courses for which the student has registered are cancelled, service fees will also be refunded.

Emergency Cancellation of Classes

When classes and activities held at the Harbor Campus or Downtown Center are cancelled because of snow or other emergencies, the University will announce cancellations beginning at 6:00am on radio stations WBZ-AM (1030), WHDH-AM (850), WEEI-AM (590), WEZE-AM (1260), and WBCN-FM (104.1). WCVB-TV (Channel 5) will also carry cancellation announcements 6:00-7:00am, Monday through Friday.

Students taking classes at off-campus sites should listen for radio announcements concerning closing of those locations.

Books

Books for all credit courses offered on or off campus may be purchased at the UMass/Boston bookstore. The bookstore is located in the Administration Building at UMass/Boston's Harbor Campus. From Wednesday, August 31 to Friday, September 9, the hours will be Tuesday-Thursday, 8:30am-7:00pm; Friday, 8:30am-5:00pm. The bookstore will also be open on Saturday, September 10, from 9:00am to 1:00pm. During the rest of the semester the hours will be Monday-Thursday, 8:30am-6:00pm; Friday, 8:30am-5:00pm. For further information, call 929-7250.

Transcripts

All students who wish transcripts sent to other schools must complete transcript request forms in the Office of Registration and Records. The cost of an official transcript is $2.00.

I.D. Cards

All on-campus students are required to carry I.D. cards. Continuing Education students not paying all University student service fees may obtain special I.D. cards for the use of on-campus libraries. These cards do not entitle the bearer to the use of athletic facilities or health services, or to student activities that require the payment of additional fees. Cards may be obtained at the Harbor Campus through the INFO Office (McCormack Hall, 1st floor, room 414) during the following hours: Monday through Thursday 9:30am-12:00noon; 1:00-4:00pm; 4:30-6:00pm. The charge is $2.00.

The I.D. card fee will be included in the tuition bill of students registered for courses offered through state-funded programs (including all Extended Day courses). These students are not required to pay separately for I.D. cards.

Academic Standing

Degree-Seeking Students

A degree-seeking student who has been dismissed or suspended, or who is on academic probation, may not register for Continuing Education courses, and may not enroll as a non-degree-seeking student. For more complete information regarding retention, please refer to the "Academic Regulations" section of the UMass/Boston undergraduate catalog.

Non-Degree-Seeking Students

All non-degree-seeking students are subject to the following minimum retention standards:

Total UMass/Boston credits	Minimum cumulative average
1-11	1.75
12 and above	2.00

A non-degree-seeking student who does not meet these retention standards shall be dismissed from the University. All appeals for reinstatement should be directed to the Faculty Council Committee on Standards and Credit. The materials required for such an appeal are

1. a typed letter of appeal stating
   a) the reasons leading to the academic standing;
   b) academic goals;
2. Transcripts from other schools attended.

A letter of recommendation from a UMass/Boston faculty member, accompanying these materials, is optional.

Materials should be submitted to: Faculty Council Committee on Standards and Credit, Office of Registration and Records, University of Massachusetts at Boston, Harbor Campus, Boston, MA 02125-3393.

The deadlines for submitting reinstatement appeals are June 1 for summer or fall registration and November 1 for spring registration.

Special Programs

The special programs offered by the Division of Continuing Education serve various business and professional groups, individuals seeking instruction in specialized fields, and those who wish simply to explore new areas of interest.

Among the special offerings this semester are University of Rhode Island credit courses at the graduate level leading to the master's degree in library and information studies.

The Division also conducts a range of special non-credit programs. Courses offered through these programs are taught by specialists selected by the University for their acknowledged expertise in particular areas. Special non-credit courses maintain the same high standards as all other University programs. Many non-credit offerings carry Continuing Education Units (CEU's). The CEU is a nationally recognized standard unit measuring participation in non-credit programs. Although it does not imply academic credit, transcripts of CEU's are permanently maintained by the University and may be used to document continuing education to employers, academic institutions, and other appropriate agencies.

Many programs are the result of the Division's cooperation with groups and institutions in the larger community. The Division can also assist professional groups in organizing and conducting conferences, workshops, and seminars, and welcomes proposals or suggestions for additional activities it might sponsor. For additional information about how Continuing Education may help your group, please contact A. Collins Jenko at (617) 929-7900.

Graduate Study in Library and Information Studies

The Program

By arrangement with the Graduate School of Library and Information Studies of the University of Rhode Island, UMass/Boston's Division of Continuing Education offers courses each semester that meet requirements for a University of Rhode Island master's degree in Library and Information Studies (MLIS).

The MLIS degree requires 36 hours of credit, of which 21 hours may be completed in Boston. Fifteen hours must be completed at the University of Rhode Island's Kingston campus. To be eligible for the degree program, students must possess a bachelor's degree from an accredited college or university with a grade point average of B or better. It is not necessary to be enrolled in the degree program to take courses. The Graduate School of Library and Information Studies encourages library employees interested in continuing education to enroll in one or more courses; however, the bachelor's degree is still required for enrollment on that basis.

The program leading to the MLIS degree is accredited by the American Library Association; the School Library Media Specialist Program is accredited by the National Association of State Directors of Teacher Education Certification (NASDTEC) and approved by the Interstate Certification Compact states.

For more information about the Graduate Program in Library and Information Studies, please call or write Patricia E. Jensen, Assistant to the Director for Regional Studies, Graduate School of Library and Information Studies, University of Rhode Island, Kingston, R.I. 02881; telephone (401) 792-2878.

The courses presently being offered at UMass/Boston's Harbor Campus are:

LSC 505
Organization of Library Materials

Introduction to the principles and practice of descriptive and subject cataloging and classification systems, including Library of Congress classification, and OCLC searching and tagging. Emphasis is on books and booklike materials.

Sept 6-Dec 20, Tu 6:00-8:30pm, Harbor Campus,
3 University of Rhode Island credits, Sched No 50504-41

LSC 523
Special Library Service

Organization, management, and special procedures as they apply to special libraries, with particular emphasis on the diversity of special library functions.

Sept 7-Nov 16, W 6:00-9:30pm, Harbor Campus,
3 University of Rhode Island credits, Sched No 50523-41

The fee for each course is $387.00. To register, please use the Registration Form for Special Programs in this Bulletin. For further information about the library and information studies courses offered in Boston, please write or call the Division of Continuing Education, University of Massachusetts at Boston, Harbor Campus, Boston, MA 02125-3393, telephone (617) 929-7900.

For more information...

If you have questions about the University, the Division of Continuing Education, career or academic planning, call Mary Lang-Crumlin at 929-7900.

How to Register

For your convenience, registration for the Division of Continuing Education's non-credit programs, and for courses in Library and Information Studies, is conducted primarily by mail or telephone. To register by mail, use the form on this page. To register by telephone, you must charge fees to a MasterCard or VISA account. The number to call is 929-7933. To avoid paying a $25.00 late fee, you must register at least one week prior to the course starting date.

Students who would rather register in person may do so at the Division of Continuing Education's office at the Harbor Campus (Wheatley Hall, 2nd Floor, Room 203) during the following times: M-Th, 9:00am-7:00pm; F, 9:00am-4:30pm. Please note that cash payments can be accepted only at the Bursar's Office at the Harbor Campus (Administration Building, 2nd Floor; M-F, 9:00am-3:30pm). The Bursar's Office will give you a receipt, which you must submit with your registration form.

No matter how you register, you will receive written confirmation of your registration about a week before your course or program begins.

If you have any further questions, please call us at 929-7900.

Registration Form for Special Programs

Please be sure to provide the numbers requested below. They are needed for coding purposes.

Social Security # — — Date

Name
Last First Middle Initial

Address
No Street City State Zip

Daytime Phone: ( ) **Date of Birth**
Mo Day Year

Evening Phone: ( )

Course Selections

Sched. No.	Start Date	Title	Fee

MasterCard and VISA Only

The University of Massachusetts at Boston, Division of Continuing Education, will accept MasterCard or VISA for payment of fees. If you would like to make use of this service, please provide the information requested.

Account No

Expiration Date

Student's Name (Print)

Student's Signature

Print name of person to whom card was issued if different from above

If a student withdraws or a course is cancelled, the refund will be made only as a credit to the student's MasterCard or VISA account.

Note: when you use this form to register by mail, your cancelled checks will be your receipt. To register using company/agency purchase order, please call (617) 929-7933 between 9:00am and 5:00pm, Monday through Friday

Payment $

Late Fee (if applicable) $25.00

Total Payment Enclosed $

Full payment must accompany all registrations.

Method of Payment

O VISA O MasterCard

O Check O Other

Make checks payable to University of Massachusetts—Continuing Education

Send checks and forms to:
Division of Continuing Education
Box NC
University of Massachusetts at Boston
Harbor Campus
Boston, MA 02125-3393

For Office Use

Rec'd: Date

Batch: Bank No.

For Office Use

Descriptions of Non-Credit Special Programs

Alcoholism/Chemical Dependency Treatment Services: A Professional Development Sequence

The Alcoholism/Chemical Dependency Treatment Services Program is designed for those working or interested in working in the treatment of alcoholism/chemical dependency. Participants will:

- acquire classroom and field experience in the various approaches to treating alcoholism/chemical dependency;
- become familiar with the management and operation of alcoholism/chemical dependency rehabilitation and detoxification centers;
- learn how to assess community needs and how to act as leaders in alcoholism/chemical dependency treatment services and administration.

The program consists of five courses and a practicum (which includes a pre-practicum workshop), all required. Each course carries three Continuing Education Units (CEUs); the pre-practicum workshop carries two; the practicum carries ten. Each participant completing the program receives a certificate.

Psychopharmacology
Prerequisite: Permission of program director

Sept 13-Dec 20, Tu 7:30-9:30pm, Sched No 96569-41, 3 CEUs, Fee: $240.00

Family Alcoholism and Chemical Dependency Treatment
Prerequisite: Permission of program director.

Sept 13-Dec 20, Tu 5:00-7:30pm, Sched No 96565-41, 3 CEUs, Fee: $240.00

The Use of Alcohol and Other Drugs in Society
Prerequisite: Permission of program director.

Sept 10-Dec 17, S 9:00-11:00am, Sched No 96550-41, 3 CEUs, Fee: $240.00

Counseling the Alcoholic and Other Chemically Dependent Persons
Prerequisite: Permission of program director.

Sept 10-Dec 17, S 1:00-3:00pm, Sched No 96551-41, 3 CEUs, Fee: $240.00

The Delivery of Alcoholism/Chemical Dependency Treatment Services
Prerequisite: Permission of program director.

Sept 10-Dec 17, S 11:00am-1:00pm, Sched No 96552-41, 3 CEUs, Fee: $240.00

Pre-Practicum Workshop
Prerequisite: Permission of program director.

For persons enrolled in Fall, 1988 Practicum:
August 26-27, Fri & Sat 9:00am-3:00pm, Sched No 96549-41, 2 CEUs, Fee: $200.00

For persons enrolled in Winter/Spring 1989 Practicum:
Dates in January, 1989 to be announced, Fri & Sat 9:00am-3:00pm, Sched No 96549-51, 2 CEUs, Fee: $200.00

Practicum in Alcoholism/Chemical Dependency Rehabilitation
Prerequisite: Permission of program director.

By arrgt. with program director. First meeting: Saturday, September 10, 9:00am, Sched No 96561-41, 10 CEUs, Fee: $800.00

All persons wishing to register for courses offered through the Alcoholism/Chemical Dependency Treatment Services program must obtain the prior approval of Jack Shea, Program Director. Further information about registration requirements or about any other aspect of the program is available from Jack Hughes, Director of Professional Development Programs, Division of Continuing Education, University of Massachusetts at Boston, Harbor Campus, Boston, MA 02125-3393, telephone (617) 929-7900.

The Auditor's Institute

A collaborative training program co-sponsored by the Division of Continuing Education and the Office of the State Auditor, the Institute is committed to providing persons interested in government and associated private-sector operations with the tools needed to promote the sound and efficient management of public resources.

The initial programs offered by the Institute have been created to help remedy financial and managerial weaknesses in the purchase-of-service system used by the Commonwealth.

The Management Development Course for administrators of government human service agencies has been offered sixteen times at locations throughout the state. Programs have also been designed to meet the needs of such specific clienteles as Massachusetts Trial Court fiscal personnel, Department of Public Welfare contract managers, and day-care providers under contract to the Department of Social Services.

The Institute will continue to offer programming related to human service management, and plans to schedule basic skills training in accounting, communication, and management. A sequence of training programs in governmental auditing will also be introduced, leading to certificates in the fundamentals of government auditing, advanced governmental auditing, and supervision of the audit process.

The Institute welcomes requests for further information concerning its programs, as well as suggestions for new offerings. Further information about the Auditor's Institute is available from Jack Hughes, Director of Professional Training Programs, Division of Continuing Education, University of Massachusetts at Boston, Harbor Campus, Boston, MA 02125-3393, telephone 929-7900.

Emergency Service Training

The Emergency Medical Technician (EMT) plays an important role in the emergency medical service system by providing pre-hospital care to victims of sudden illness or injury. UMass/Boston's EMT training course fulfills state requirements for entrance to the state certification examination. Lectures are given by leading specialists in emergency care. In-hospital experience takes place at a trauma center, under the supervision of physicians and nurses. The emphasis throughout the course is on skill development; extensive practice is designed to increase psychomotor skills while reinforcing knowledge gained through assigned readings. Course participants use the latest equipment in our simulated ambulance laboratories and have the benefit of close instructor supervision and videotape analysis of group practice sessions.

Sept 12-Dec 6, MTuTh 6:00-9:30pm, Sched No 37210-41, Fee: $370.00

Certified EMTs will also find a number of conveniently scheduled advanced courses for their required refresher training and their continuing medical education. All these courses combine lecture, discussion, and extensive practice sessions in simulated emergency situations. For further information, please write or call the Division of Continuing Education, University of Massachusetts at Boston, Harbor Campus, Boston, MA 02125-3393, telephone (617) 929-7900.

Graduate Test Preparation Courses

Developed in coooperation with UMass/Boston's Office of Career Services, these review courses provide intensive classroom sessions covering all sections of each exam. Each course involves extensive exam practice, including a full-length practice test given under exam conditions. These courses have been scheduled in advance of the dates of tests for which students are preparing.

Review for the Graduate Record Examination

Review for the October 8 GRE

Sept 1-Oct 6, TuTh 6:00-9:00pm, Sched No 10000-41, Fee: $145.00

Review for the December 10 GRE

Nov 3-Dec 8, TuTh 6:00-9:00pm, Sched No 10000-42, Fee: $145.00

Review for the Graduate Management Admission Test

Review for the October 15 GMAT

Aug 30-Oct 11, MTu 6:00-9:00pm, Sched No 10002-41, Fee: $145.00

Review for the Law School Admission Test (LSAT)

Review for the October 1 LSAT

Aug 23-Sep 29, TuTh 6:00-9:00pm, Sched No 10001-41, Fee: $145.00

Review for the December 3 LSAT

Oct 30-Dec 1, TuTh 6:00-9:00pm, Sched No 10001-42, Fee: $145.00

Microcomputer Workshops

These practical, hands-on workshops are designed to introduce new users to Macintosh or IBM-PC (or compatible) personal computers, or to build on previously acquired fundamental skills. Participants in these workshops have additional access to the microcomputer lab outside class time for self-directed practice of material covered during class.

Please note: These workshops are open to both matriculated and non-degree-seeking students. For students in UMass/Boston's College of Arts and Sciences, they provide assistance toward completion of the CAS certification in computer competence.

Introduction to WordPerfect on the IBM-PC

Basic word processing skills using WordPerfect on the IBM-PC. Topics include creating, saving, and editing documents; use of insert, copy and move, delete, and spell checking fuctions; formatting text and printing files. Some advanced features, such as merge printing and macros, are covered, as time permits. No microcomputer or word processing experience is required. Limited enrollment.

September 17-October 8, Sat 9:30am-1:30pm, Sched No 89998-41, Fee: $100.00 (plus $10.00 lab fee)

Introduction to WordPerfect on the Macintosh

Basic word processing skills using WordPerfect on the Macintosh. Topics include creating, saving, and editing documents; use of insert, copy and move, delete, and spell checking fuctions; formatting text and printing files. Some advanced features, such as merge printing and macros, are covered, as time permits. No microcomputer or word processing experience is required. Limited enrollment.

October 22-November 12, Sat 9:30am-1:30pm, Sched No 89997-41, Fee: $100.00 (plus $10.00 lab fee)

Introduction to Lotus 1-2-3 on the IBM-PC

An explanation of electronic spreadsheets using Lotus 1-2-3. Topics include creating, saving, retrieving, and printing arithmetic models (budgets, income/expense statements, grade lists). No PC or computing experience is required. Limited enrollment.

October 15-October 29, Sat 9:30am-1:30pm, Sched No 89999-41, Fee: $100.00 (plus $10.00 lab fee)

Intermediate Lotus 1-2-3 on the IBM-PC

Exploration of sophisticated Lotus 1-2-3 features: creating and printing graphs, database applications, functions, table handling, and macros. Participants are expected to have completed Introduction to Lotus 1-2-3, or to be familiar with basic Lotus functions. Limited enrollment.

November 5-November 19, Sat 9:30am-1:30pm, Sched No 89996-41, Fee: $100.00 (plus $10.00 lab fee)

SAS and SPSS on the VAX

These workshops are designed to introduce users to two of the most widely used statistical/report-writer packages, SAS and SPSS-X. Although workshops use a VAX 8800, the skills taught can be generalized to IBM mainframe and microcomputer versions of these two packages. For those not familiar with VAX/VMS, the workshops include an introduction to VAX log-on procedures, DCL commands, and the use of the EDT editor.

Practical SAS for Programmers

Introduction to SAS reporting fundamentals: data extraction, pre-formatted reports, sorting and merging data files, customized reports, SAS macros. Familiarity with the basic skills of programming is strongly recommended. Limited enrollment.

September 17-October 1, Sat 9:30am-1:30pm, Sched No 89995-41, Fee: $300 (plus $10.00 lab fee)

Data Analysis Using SPSS-X

This workshop covers data preparation, input formats, labeling, recoding techniques, correlation and regression, frequency tables, and cross-tabulation, with the SPSS-X. If time permits, other topics of interest to participants are discussed. Sessions include lectures, discussions, and supervised lab periods. Participants should have completed a course in basic statistics. Limited enrollment.

October 15-November 5, Sat 9:30am-1:30pm, Sched No 89994-41, Fee: $350 (plus $10.00 lab fee)

Save time!
Register now by mail or telephone.
See page 3 for details.

Publications Office
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